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**CENTRAL FAX CENTER****JAN 17 2007****FAX TRANSMISSION****DATE:** January 17, 2007**PTO IDENTIFIER:** Application Number 10/629,863-Conf. #7369  
Patent Number**Inventor:** Yu-Chun PENG et al.**MESSAGE TO:** US Patent and Trademark Office**FAX NUMBER:** (571) 273-8300**FROM:** BIRCH, STEWART, KOLASCH & BIRCH, LLP

Joe McKinney Muncy

**PHONE:** (703) 205-8026**Attorney Dkt. #:** 0941-0800P**PAGES (Including Cover Sheet):** 9**CONTENTS:** Fax Cover Sheet (1 page)  
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PTO/SB/97 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

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Application No. (if known): 10/629,863

Attorney Docket No.: 0941-0800P

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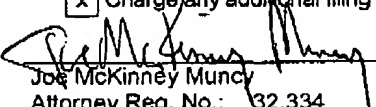
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|   |   |   |                                   |                                |      |
|---|---|---|-----------------------------------|--------------------------------|------|
| <b>AMENDMENT TRANSMITTAL LETTER</b>   |   |   |                                   | Docket No.<br>0941-0800P       |      |
| Application No.<br>10/629,863-Conf. #7369   |   | Filing Date<br>July 30, 2003            |                                   | Examiner<br>B. T. Pendleton    |      |
|   |   |   |                                   | Art Unit<br>2615               |      |
| Applicant(s): Yu-Chun PENG et al.   |   |   |                                   |                                |      |
| Invention: DETECTION CIRCUIT  |   |   |                                   |                                |      |
| <p><b>MS Amendment</b><br/> <b>Commissioner for Patents</b><br/> <b>P.O. Box 1450</b><br/> <b>Alexandria, VA 22313-1450</b></p> <p>Transmitted herewith is an amendment in the above-identified application.<br/>         The fee has been calculated and is transmitted as shown below.</p>  |   |   |                                   |                                |      |
| <b>CLAIMS AS AMENDED</b>  |   |   |                                   |                                |      |
|   | Claims<br>Remaining<br>After<br>Amendment | Highest<br>Number<br>Previously<br>Paid | Number<br>Extra Claims<br>Present | Rate                           |      |
| Total Claims  | 4   | - 20 =                                  | 0                                 | x 50.00                        | 0.00 |
| Independent<br>Claims   | 1   | - 3 =                                   | 0                                 | x 200.00                       | 0.00 |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/>  |   |   |                                   |                                |      |
| Other fee (please specify):   |   |   |                                   |                                |      |
| <b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:</b>   |   |   |                                   |                                | 0.00 |
| <input checked="" type="checkbox"/> Large Entity <span style="margin-left: 200px;"><input type="checkbox"/> Small Entity</span><br><input checked="" type="checkbox"/> No additional fee is required for this amendment.<br><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of \$ _____.<br>A duplicate copy of this sheet is enclosed.<br><input type="checkbox"/> A check in the amount of \$ _____ is enclosed.<br><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.<br><input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <u>02-2448</u><br>as described below. A duplicate copy of this sheet is enclosed.<br><input checked="" type="checkbox"/> Credit any overpayment.<br><input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17. |   |   |                                   |                                |      |
| <br>Joe McKinney Muncy<br>Attorney Reg. No.: 32,334  |   |   |                                   | Dated: <u>January 17, 2007</u> |      |
| BIRCH, STEWART, KOLASCH & BIRCH, LLP<br>8110 Gatehouse Road<br>Suite 100 East<br>P.O. Box 747<br>Falls Church, Virginia 22040-0747<br>(703) 205-8026  |   |   |                                   |                                |      |

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**JAN 17 2007**

Docket No.: 0941-0800P  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Yu-Chun PENG et al.

Application No.: 10/629,863

Confirmation No.: 7369

Filed: July 30, 2003

Art Unit: 2615

For: DETECTION CIRCUIT

Examiner: B. T. Pendleton

**AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INTRODUCTORY COMMENTS**

In reply to the Office Action dated October 17, 2006, the following amendments and remarks are respectfully submitted in connection with the above-identified application.

This reply includes:

Amendments to the Specification;

Amendments to the Claims; and

Remarks.